

IN THE CLAIMS:

Please amend claims 51, 58, 59, and 82-84 as follows:

1-48 (CANCELLED)

49. (PREVIOUSLY PRESENTED) A method of transmitting packets of data in a communication network comprising at least first to third stations, the method comprising the steps of:

providing data packets to only the first station and sending a first number of the data packets from the first station to a second station;

subsequently providing the data packets to both said first and third station when the second station has at least one predefined parameter with respect to said first and third station;

identifying via said second station which of the first number of the data packets are correctly received by the second station from the first station; and

responsive to a signal from said second station, sending a second number of the data packets from the third station to said second station commencing with a data packet identified in said signal as being required after the last correctly received packet received from the first station.

50. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said network comprises a common node connected to said first and third stations, said common node being arranged to transmit data packets to said first and third stations.

51. (CURRENTLY AMENDED) A method as claimed in claim 49 including the step of acknowledging by the second station correct receipt of the data packet ~~data~~ packet identified in said signal as being required.

52. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, further comprising the steps of:

subsequent to said step of sending a second number of data packets providing data packets to only the third station.

53. (PREVIOUSLY PRESENTED) A method as claimed in claim 52 further comprising the steps of:

providing data packets to only the third station in response to said second station no longer having said at least one predefined parameter with respect to said first and third stations.

54. (PREVIOUSLY PRESENTED) A method as claimed is claim 49 further comprising the steps of:

indicating to a common node that the second station is reachable via both of said first and third stations;

transmitting the same data packets from the common node to at least one data storage means in the first and third stations;

transmitting said same data packets from the at least one data storage means in the first and third stations to said second station;

identifying a received packet at the third station and acknowledging receipt of that packet; and

removing said acknowledged packet from the at least one data storage means in said third station.

55. (PREVIOUSLY PRESENTED) A method as claimed is claim 49, wherein said predefined parameter is defined by the geographic position of the second station with respect to the first and third stations.

56. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said at least one predefined parameter is defined by at least one parameter of signals received from at least one of said first and third stations satisfying a predetermined criteria.

57. (PREVIOUSLY PRESENTED) A method as claimed in claim 56, wherein said signal parameter is the power level of a signal received at the second station from at least one of said first and third stations.

58. (CURRENTLY AMENDED) A method as claimed in claim 56, wherein said signal parameter is the ratio of power level of signals received at ~~that~~ the second station from the first and third stations.

59. (CURRENTLY AMENDED) A method as claimed in claim 56, wherein said signal parameter is the quantity of the signal received at the second station from at least one of said first and third stations.

60. (PREVIOUSLY PRESENTED) A method as claimed in claim 56, wherein said signal parameter is the quantity of traffic associated with at least one of said first and third stations.

61. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said predefined parameter is the quality of signals associated with at least one of said first and third stations.

62. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said parameter is averaged over time before it is determined if said criteria is satisfied.

63. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said predefined parameter defines a handsoff zone in which said first station hands off to said third station in that said second station stops receiving data packets from said first station and starts receiving data packets from said third station.

64. (PREVIOUSLY PRESENTED) A method as claimed in claim 63, wherein said handsoff zone is surrounded on either side by a zone in which the second station receives data packets from a respective one of said first and third stations and said first and third stations are provided with the same data packets.

65. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein when handoff takes place, said second station transmits a signal to the third station to advise the third station of which packet or packets were received from the first station and said third station transmits the data packet identified as being required after the last packet to said second station.

66. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein if said second station does not correctly receive a data packet, said second station requests retransmission of said data packet.

67. (PREVIOUSLY PRESENTED) A method as claimed in claim 50, wherein the common node associates a unique number for each packet and the same data packets, each of which is associated with the unique number are transmitted from said common node to both of the first and third stations.

68. (PREVIOUSLY PRESENTED) A method as claimed in claim 54, wherein the common node controls the removal of said identified data packet from the at least one data storage means.

69. (PREVIOUSLY PRESENTED) A method as claimed in claim 50, wherein said first station is in communication with a first node and the third station is in communication with a second node, said first and second nodes being in communication with said common node.

70. (PREVIOUSLY PRESENTED) A method as claimed in claim 69, further comprising the step of: acknowledging receipt of a data packet at the third station, wherein the acknowledgement is forwarded to the common node by one of said first and second nodes and the common node advises the other of the first and second nodes that an acknowledgment has been received.

71. (PREVIOUSLY PRESENTED) A method as claimed in claim 54, wherein the first station is connected to a first node and the third station is connected to a second node and one of the first and second nodes is arranged to be the common node and said acknowledged packet is forwarded to the common node.

72. (PREVIOUSLY PRESENTED) A method as claimed in claim 69 wherein the first and second nodes and/or the first and third stations are connected together.

73. (PREVIOUSLY PRESENTED) A method as claimed in claim 50, wherein the first and third stations are connected to the common node via a network.

74. (PREVIOUSLY PRESENTED) A method as claimed in claim 50, wherein data storage means is provided in said common node.

75. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein said communication network has a plurality of cells or areas and said second station is able to register with one or more cells or areas of said network at the same time.

76. (PREVIOUSLY PRESENTED) A method as claimed in claim 49, wherein packets of data are forwarded to at least one of said first and third stations before a connection is made with said second station.

77. (PREVIOUSLY PRESENTED) A system of transmitting packets of data in a communication network comprising:

first, second and third stations, wherein said first station only is provided initially with data packets and is arranged to send a first number of the data packets to the second station, subsequently the data packets are provided to both said first and third station when the second station has at least one predefined parameter with respect to said first and third station and wherein the second station is arranged to identify which of the first number of the data packets it receives from the first station, and the third station is arranged to send a second number of the data packets to the second station in response to a signal from said second station commencing with the data packet identified in said signal as being required after the last correctly received packet from the first station.

78. (PREVIOUSLY PRESENTED) A system as claimed in claim 77, wherein said first and third stations comprise storage means for storing data packets prior to transmission to said second station.

79. (PREVIOUSLY PRESENTED) A system as claimed in claim 78, wherein said storage means comprises a buffer.

80. (PREVIOUSLY PRESENTED) A system as claimed in claim 77 wherein the second station is arranged to determine the last packet correctly received by the second station from the first station and the third station is arranged to transmit the packet subsequent to the last correctly received packet to the second station.

81. (PREVIOUSLY PRESENTED) A system as claimed in claim 77, wherein the first and third stations are both provided with at least a number of the same data packets for transmission to said second station.

82. (CURRENTLY AMENDED) A node for a wireless communication network, ~~comprising~~configured to: ~~a node configured to~~ send data packets to a base station for transmission to a mobile station, ~~wherein and said~~the node is configured to start sending the data packets both to a first base station and a second base station as a response to a predetermined condition for transmission to the mobile station.

83. (CURRENTLY AMENDED) A node according to claim 82, wherein ~~the said~~the node is configured to stop sending the data packets to one of the first base station and the second base station as a response to an indication received from one of the first base station and the second base station.

84. (CURRENTLY AMENDED) A node according to claim 82, wherein ~~the said~~the node is a base station controller.